

Please Substitute this Listing of the Claims for all prior Listings:

1. (Currently Amended) A xenogenic bone-tendon-bone graft suitable for fixation in a substantially cylindrical bone tunnel during orthopedic surgery on a human, comprising a first bone block, a second bone block, and a tendon interconnecting said first bone block to said second bone block by a naturally occurring tendon-to-bone attachment, wherein each of said first bone block and said second bone block of said graft is dowel shaped and sized for pulling through said bone tunnel, and each of said first bone block and said second bone block has a machined groove along its length ~~sufficient to accommodate a fixation~~ for accommodating an interference screw for fixing said bone block in said bone tunnel.

2. (Previously presented) The xenogenic bone-tendon-bone graft of claim 1, wherein said graft is obtained from a porcine, bovine, equine, goat or other ruminant source.

3. (Cancelled).

4. (Previously presented) The xenogenic bone-tendon-bone graft of claim 1, wherein said first bone block or said second bone block is shaped into a dowel.

Claims 5-7. (Cancelled).

8. (Previously presented) The xenogenic bone-tendon-bone graft of claim 1, wherein said groove is a radius cut extending the length of the bone block.

9. (Previously presented) The xenogenic bone-tendon-bone graft of claim 1, wherein the groove on said first bone block and on said second bone block has a surface with a thread profile cut therein.

Claims 10-30 (Cancelled).

31. (Previously presented) The xenogenic bone-tendon-bone graft of claim 1, wherein said graft is configured such that it may be utilized bi-directionally.

32. (Previously presented) The xenogenic bone-tendon-bone graft of claim 1, wherein said graft is processed to minimize the level of antigenic agents or potentially pathogenic agents.

33. (Previously presented) The xenogenic bone-tendon-bone graft of claim 1, wherein one or both of said bone blocks further comprises a graft manipulation hole.

34. (Previously presented) The xenogenic bone-tendon-bone graft of claim 4, wherein said dowel shaped bone block is a cylindrical dowel.

35. (Previously presented) The xenogenic bone-tendon-bone graft of claim 34, wherein the cylindrical dowel has a diameter of 9 mm, 10 mm, 11 mm, or 12 mm.

36. (Previously Presented) The xenogenic bone-tendon-bone graft of claim 4, wherein said dowel shaped first bone block has an end comprising a tapered region.

37. (Previously presented) The xenogenic bone-tendon-bone graft of claim 1, wherein said bone block has a plug shape comprising a square cross-section.

38. (Previously presented) A xenogenic bone-tendon-bone graft suitable for pulling through a bone tunnel in a human patient, comprising a first bone block, a second bone block, and a tendon interconnecting said first bone block to said second bone block by a naturally occurring tendon-to-bone attachment, wherein each of said first bone block and said second bone block are sized and shaped to be pulled through said bone tunnel and each bone block has a machined groove along its length sufficient to accommodate a fixation screw for fixation in said bone tunnel.

39. (Previously presented) The xenogenic bone-tendon-bone graft of claim 38 being of porcine origin.

40. (Previously presented) The xenogenic bone-tendon-bone graft of claim 38 being of bovine origin.

41. (Currently amended) A xenogenic bone-tendon-bone graft suitable for fixation in a substantially cylindrical bone tunnel during orthopedic surgery on a human, consisting essentially of a first bone block, a second bone block, and a tendon interconnecting said first bone block to said second bone block by a naturally occurring tendon-to-bone attachment, wherein each of said first bone block and said second bone block of said graft is dowel shaped and sized for pulling through said bone tunnel and each of said first bone block and said second bone block has a machined groove along its length for accommodating an interference screw for fixing said bone block in said bone tunnel.

42. (Previously presented) The xenogenic bone-tendon-bone graft of claim 41, wherein the xenogeneic origin of the graft is bovine.

43. (Previously presented) The xenogenic bone-tendon-bone graft of claim 41, wherein the xenogeneic origin of the graft is porcine.

44. (Previously presented) The xenogenic bone-tendon-bone graft of claim 41, wherein the source of the first bone block is the tibia or the patella.